Access DB# 88373

SEARCH REQUEST FORM

Scientific and Technical Information Center

Call when done

Requester's Full Name: CHARLES ELOSHWAY Examiner #: 71306 Date: 3/6/03
Art Unit: 3751 Phone Number 308-0104 Serial Number: 09/915,296
Mail Box and Bldg/Room Location: CPK1-5D14 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

For Sequence Searches Only *Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Claims 1-11 pending

****

STAFF USE ONLY

Searcher: JEANNE HORRIGAN
Searcher Phone #: 305-5934
Searcher Location: CP2-0C07
Date Searcher Picked Up: 3/7
Date Completed: 3/10
Searcher Prep & Review Time: 153
Clerical Prep Time: _____
Online Time: 192

PTO-1590 (8-01) 2:05 12:35
3/7 3/10

Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
Bibliographic ✓
Litigation _____
Fulltext ✓
Patent Family _____
Other _____

Vendors and cost where applicable

STN _____
Dialog ✓
Questel/Orbit _____
Dr.Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet ✓
Other (specify) _____

March 10, 2003

TO: Charles Eloshway, Art Unit 3751
CPARK 1, Room 5-D-14

FROM: Jeanne Horrigan
ASRC Searcher in EIC3700

SUBJECT: Search Results for Serial 09/915296

Attached are the search results for the anti-constipation method and device, including results of inventor and prior art searches in foreign/international patent databases and prior art searches in medical, handicapped accessories, and product-related non-patent literature databases. I also searched the Web using the Google search engine. (I did not find anything that looked relevant to me on the Internet.)
The results are organized into three sets:

- Results of inventor search in foreign/international patent databases;
- Results of prior art search in foreign/international patent databases; and
- Results of non-patent literature search.

Results appear after the database names and search strategy used for those results. I tagged items that I thought seemed most relevant, but **I suggest that you review all of the results.**

Also attached is a search feedback form. Completion of the form is voluntary. Your completing this form would help us improve our search services.

I hope the attached information is useful. Please feel free to contact me (phone 305-5934 or email jeanne.horrigan@uspto.gov) if you have any questions or need additional searching on this application.

EIC Search Results

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200314C
File 347:JAPIO Oct 1976-2002/Oct(Updated 030204)
File 371:French Patents 1961-2002/BOPI 200209
Set Items Description
S1 5 AU='REYDEL' OR AU='REYDEL B'

1/26,TI/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.
015032876
WPI Acc No: 2003-093393/200308
Medical device, e.g. gastrointestinal catheter for delivering fluid-like materials to the gastrointestinal tract, includes distal flaps and secondary flaps

1/26,TI/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.
014205520
WPI Acc No: 2002-026217/200203
Introducer apparatus for, e.g. introducing catheter within bile duct, includes fixation mechanism that fixes part of sleeve outside elongated member capable of unfurling sleeve inside bodily passage

1/26,TI/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.
012579396
WPI Acc No: 1999-385503/199932
Medical device controllable from outside a patient's body for movement body tissue toward an interior body work site

1/26,TI/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.
009673912
WPI Acc No: 1993-367465/199346
Using catheter sleeve assembly for endoscope - utilising locking structure similar to slide fastener placed about endoscope, allowing shuttling into and out of viewing site

1/26,TI/5 (Item 1 from file: 371)
DIALOG(R)File 371:French Patents
(c) 2002 INPI. All rts. reserv. All rts. reserv.
000665668
Title: CONCENTRE D'AGENT DE PROTECTION DU BOIS, AGENTS POUR LA CONSERVATION OU LA PROTECTION DE BOIS ET DE PIECES EN BOIS CONTRE LES PARASITES ANIMAUX ET VEGETAUX QUI DETRUISENT ET DECOLORENT LE BOIS, OBTENUS A PARTIR DE CONCENTRE ET PROCEDE DE FABRICATION D'UN CONCENTRE D'AGENT DE PROTECTION DU BOIS
Patent and Priority Information (Country, Number, Date):
Patent: FR 2474935 - 19810807

File 348:EUROPEAN PATENTS 1978-2003/Feb W04
File 349:PCT FULLTEXT 1979-2002/UB=20030227,UT=20030220
Set Items Description
S1 6 AU='REYDEL' OR AU='REYDEL BORIS'

1/6/1 (Item 1 from file: 348)
01533076
BODY CANAL INTRUSION INSTRUMENTATION HAVING BIDIRECTIONAL COEFFICIENT OF SURFACE FRICTION WITH BODY TISSUE

1/6/2 (Item 2 from file: 348)
01375452
INTRODUCER DEVICE FOR CATHETERS O.T.L. WITH REVERSIBLE SLEEVE

1/6/3 (Item 3 from file: 348)
01062137
MEDICAL DEVICE HAVING DIFFERENT BIDIRECTIONAL COEFFICIENTS OF SURFACE FRICTION

1/6/4 (Item 1 from file: 349)
00962141 **Image available**
BODY CANAL INTRUSION INSTRUMENTATION HAVING BIDIRECTIONAL COEFFICIENT OF SURFACE FRICTION WITH BODY TISSUE
Publication Year: 2002

1/6/5 (Item 2 from file: 349)
00849745 **Image available**
INTRODUCER DEVICE FOR CATHETERS O.T.L. WITH EVERSIBLE SLEEVE
Publication Year: 2001

1/6/6 (Item 3 from file: 349)
00498010 **Image available**
MEDICAL DEVICE HAVING DIFFERENT BIDIRECTIONAL COEFFICIENTS OF SURFACE FRICTION
Publication Year: 1999

```
  File 155:MEDLINE(R)  1966-2003/Mar W1
  File   5:Biosis Previews(R)  1969-2003/Mar W1
  File  73:EMBASE  1974-2003/Mar W1
  File  34:SciSearch(R) Cited Ref Sci  1990-2003/Mar W1
  File 434:SciSearch(R) Cited Ref Sci  1974-1989/Dec
  File 440:Current Contents Search(R)  1990-2003/Mar 07
  File 144:Pascal  1973-2003/Feb W4
  File   6:NTIS  1964-2003/Mar W2
  File   8:Ei Compendex(R)  1970-2003/Feb W4
  File  99:Wilson Appl. Sci & Tech Abs  1983-2003/Jan
  File  65:Inside Conferences  1993-2003/Mar W1
  File  94:JICST-EPlus  1985-2003/Mar W1
  File  35:Dissertation Abs Online  1861-2003/Feb
  File  50:CAB Abstracts  1972-2003/Feb
  File  68:Env.Bib.  1972-2002/Jun
Set     Items   Description
S1        151   A-FRAME? ?
S2     295240   BAR OR BARS
S3     456546   FRAME OR FRAMES
S4     809381   LIFT??? OR PULL??? OR HANG??? OR SUSPEND??? OR SUSPENSION
S5     421859   HANDICAP? OR DISABILIT? OR DISABLED OR CONSTIPAT?
S6     201608   BATHROOM? OR BATH??? OR TOILET? ? OR COMMODE? ? OR WATER()-
              CLOSET? ? OR LATRINE? ? OR LAVATOR??? OR PRIVY OR PRIVIES OR -
              LOO OR LOOS
S7       4429   S1 OR (S2 AND S3)
S8        227   S4 AND S7
S9          8   S8 AND S5:S6
S10         5   RD (unique items)
S11         0   S10/2003 OR S10/2002
S12         0   S1 AND S5:S6
```

10/7/4 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2003 The HW Wilson Co. All rts. reserv.
2189703 H.W. WILSON RECORD NUMBER: BAST00061894
Gas spring gives grandma bounce
Day, John;
Design News v. 55 [i.e. 56] no18 (Sept. 18 2000) p. 59-60
DOCUMENT TYPE: Feature Article ISSN: 0011-9407
ABSTRACT: UltiMedCo, Fort Collins, Colorado, has developed an innovative gait trainer and mobility device called the TheraTrek 1000. The device is fabricated from lightweight heat-treated aluminum and supports the user through the pelvis, freeing the upper body for normal use. The amount of weight that needs to be supported can be determined by the user or a therapist. In an upright position, the user can extend her or his legs to the floor and walk. The device uses Bloc-O-**Lift**, a gas spring by Stabilus, Gastonia, North Carolina, as part of a 4- **bar** linkage that connects the gait trainer's base **frame** with the pelvic support system and cradle.

10/7/5 (Item 1 from file: 50)
DIALOG(R)File 50:CAB Abstracts
(c) 2003 CAB International. All rts. reserv.
02862264 CAB Accession Number: 941805244
Creative approaches to the Americans with Disabilities **Act.**
Ohlin, J. B.
Department of Hospitality Admininstration, Florida State University, Florida, USA.
Cornell Hotel and Restaurant Administration Quarterly vol. 34 (5): p.19-22
Publication Year: 1993
ISSN: 0010-8804
OP --
Language: English
Document Type: Journal article
The Embassy Suites Resort hotel in Lake Buena Vista, Florida, USA opened in 1991 to provide full guest accessibility under the terms of the Americans with **Disabilities** Act. Most of the accommodation provided for **disabled** guests is not apparent to guests who are not **disabled** . Awareness training for employees has also been implemented to reinforce quality service and encourage sensitivity to guests' special needs. Any hotel could adopt the same approach. The types of ideas for the hotel include high contrast colour schemes for doors and walls to assist in locating doorways; steps equipped with lighted strips; **lift** doors on slow timers; beds on raised **frames** ; careful placement of the room's fixtures and amenities; fire alarms equipped with strobes and horns; roll-in showers with benches; and **grab bars in strategic locations.** The hotel's approach to **disabled** people has been sensitive and creative, and it has been successful in addressing their needs.

File 781:ProQuest Newsstand 1998-2003/Mar 07
File 95:TEME-Technology & Management 1989-2003/Feb W3
File 98:General Sci Abs/Full-Text 1984-2003/Jan
File 9:Business & Industry(R) Jul/1994-2003/Mar 06
File 16:Gale Group PROMT(R) 1990-2003/Mar 07
File 160:Gale Group PROMT(R) 1972-1989
File 148:Gale Group Trade & Industry DB 1976-2003/Mar 06
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Mar 06
File 149:TGG Health&Wellness DB(SM) 1976-2003/Feb W3
File 636:Gale Group Newsletter DB(TM) 1987-2003/Mar 06
File 441:ESPICOM Pharm&Med DEVICE NEWS 2003/Mar W1
File 442:AMA Journals 1982-2003/Jun B1
File 444:New England Journal of Med. 1985-2003/Mar W2

Set	Items	Description
S1	5	A-FRAME? ?
S2	815597	BAR OR BARS
S3	493755	FRAME OR FRAMES
S4	2192980	LIFT??? OR PULL??? OR HANG??? OR SUSPEND??? OR SUSPENSION
S5	416546	HANDICAP? OR DISABILIT? OR DISABLED OR CONSTIPAT?
S6	606448	BATHROOM? OR BATH??? OR TOILET? ? OR COMMODE? ? OR WATER()-CLOSET? ? OR LATRINE? ? OR LAVATOR??? OR PRIVY OR PRIVIES OR -LOO OR LOOS
S7	0	S1 AND S5:S6
S8	169	S2(S)S3 AND S4 AND S5:S6
S9	4815	S2(S)S3
S10	13	S4(S)S5:S6(S)S9
S11	10	RD (unique items)
S12	1	S11/2003 OR S11/2002
S13	9	S11 NOT S12

13/8/1 (Item 1 from file: 781)
DIALOG(R)File 781:(c) 2003 ProQuest Info&Learning. All rts. reserv.
07689574 GRDN200009260108EF88
Life: Stephen King: the accident: In our second extract from Stephen King's new book, On Writing, the best-selling author recalls the day a country walk turned into a horrifying fight for survival: 'There are confused glimpses of faces and operating rooms; there are delusions and hallucinations. Mostly, though, there is darkness'
Sunday, September 24, 2000
Word Count: 3,375

13/3,K/7 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.
05865325 SUPPLIER NUMBER: 12140657 (USE FORMAT 7 OR 9 FOR FULL TEXT)
There's nothing like a little paralysis to instill a new respect for ADA. (editor realizes the importance of the Americans with Disabilities Act after a brief recuperation following a fall down a flight of stairs) (Editorial)
Schreiner, Philip G.
Building Design & Construction, v33, n4, p5(1)
April, 1992
DOCUMENT TYPE: Editorial ISSN: 0007-3407 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 642 LINE COUNT: 00044
... persuasive) and it was then that I discovered my home is not built for the **handicapped** . For instance: Why is there a banister on only one

side of the stairways? (And why did we ever buy a four-level house??) Why are standard **toilets** so damn low? What good is a grab **bar** in the tub when you can't **lift** your leg over the edge of the tub? Why are **bathroom** sinks installed so low? Why are door **frames** so narrow? And after one incident in the shower, I developed a new respect for...

13/3,K/9 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05480241 SUPPLIER NUMBER: 11329089 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New deal. (design of multi-function room for handicapped person)
Geran, Monica
Interior Design, v62, n12, p228(4)
Sept, 1991
ISSN: 0020-5508 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 914 LINE COUNT: 00074
... a reflex action of averted eyes so as not to confront a cripple, just as **handicap** harks back to cap-in-hand, i.e., beggar.) Her chosen antidote, she says, was...
...the commercial market but here assigned alternate function, include, to cite only two, a cantilevered **bar** cart turned over-bed work counter, and the previously mentioned TV enclosure--now rid of...
...special touches of creative thoughtfulness: having the top of a small table lipped, so that **pull** -up motion won't upset objects displayed; selecting a Regency chair because of its elegant lines, yet first confirming that its heavy stainless steel/brass **frame** will remain stable during transfer from the wheelchair; supplying a pick-up rod for reaching...

File 155:MEDLINE(R) 1966-2003/Mar W1
File 5:Biosis Previews(R) 1969-2003/Mar W1
File 73:EMBASE 1974-2003/Mar W1
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Mar W1
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
File 71:ELSEVIER BIOBASE 1994-2003/Mar W2
File 144:Pascal 1973-2003/Mar W1
File 159:Cancerlit 1975-2002/Oct
File 6:NTIS 1964-2003/Mar W2
File 8:Ei Compendex(R) 1970-2003/Mar W1
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Jan
File 65:Inside Conferences 1993-2003/Mar W1
File 94:JICST-EPlus 1985-2003/Mar W2

Set	Items	Description
S1	46650	CONSTIPATION OR CONSTIPATED OR BOWEL()MOVEMENT? ?
S2	17	(PULL OR SUSPENDED)()(BAR OR BARS)
S3	44026	"A"(2W)FRAME? ?
S4	6	DOUBLE()MAST? ?
S5	9	S1 AND S2:S4
S6	2	RD (unique items) **[not relevant]**
S7	571122	PULL??? OR HANG??? OR SUSPEN????
S8	481	S1(S)S7
S9	34	S1(5N)S7
S10	34	S9 NOT S5
S11	21	RD (unique items)
S12	21	Sort S11/ALL/PY,D

12/6/2 (Item 2 from file: 34)
10786458 Genuine Article#: 569XD Number of References: 224
Title: Colonic inertica disorders in pediatrics
Publication date: 20020700

12/6/4 (Item 4 from file: 73)
11144962 EMBASE No: 2001160611
Idiopathic megarectum in children
2001

12/6/5 (Item 5 from file: 155)
10858521 20399792 PMID: 10945695
Transanal endorectal coloanal surgery for Hirschsprung's disease: experience in two centers.
Aug 2000

12/6/6 (Item 6 from file: 73)
07770530 EMBASE No: 1999253059
Long-term outcome after Hirschsprung's disease: Patients' perspectives
1999

12/6/8 (Item 8 from file: 144)
13235976 PASCAL No.: 97-0505306
Preliminary experience with intrasphincteric botulinum toxin for persistent constipation **after** pull **-through for Hirschsprung's disease. Discussion**
1997

12/6/9 (Item 9 from file: 155)
09488261 97388400 PMID: 9247234
Preliminary experience with intrasphincteric botulinum toxin for persistent constipation **after** pull **-through for Hirschsprung's disease.**
Jul 1997

12/6/10 (Item 10 from file: 73)
07164349 EMBASE No: 1998053004
Laparoscopic anterior rectosigmoidectomy with the Swenson's procedure
1997

12/6/18 (Item 18 from file: 94)
01100785 JICST ACCESSION NUMBER: 90A0691247 FILE SEGMENT: JICST-E
Treatment of ulcerative colitis in childhood., 1990

12/3,K/17 (Item 17 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

06596696 90298744 PMID: 2193786
Hirschsprung's disease in adolescents and adults.
Wheatley M J; Wesley J R; Coran A G; Polley T Z
Department of Surgery, Mott Children's Hospital, University of Michigan Medical Center, Ann ARbor 48109.
Diseases of the colon and rectum (UNITED STATES) Jul 1990, 33 (7) p622-9, ISSN 0012-3706 Journal Code: 0372764
Document type: Journal Article; Review; Review of Reported Cases
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... all with good long-term results. The fifth patient, initially treated with a Duhamel retrorectal **pull** -through procedure, required reoperation for **constipation** secondary to a retained rectal septum. Review of 199 cases of adult Hirschsprung's disease...

```
File  95:TEME-Technology & Management 1989-2003/Feb W4
File  98:General Sci Abs/Full-Text 1984-2003/Jan
File   9:Business & Industry(R) Jul/1994-2003/Mar 07
File  16:Gale Group PROMT(R) 1990-2003/Mar 07
File 160:Gale Group PROMT(R) 1972-1989
File 148:Gale Group Trade & Industry DB 1976-2003/Mar 06
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Mar 06
File 149:TGG Health&Wellness DB(SM) 1976-2003/Feb W3
File 636:Gale Group Newsletter DB(TM) 1987-2003/Mar 06
File 441:ESPICOM Pharm&Med DEVICE NEWS 2003/Mar W1
File  20:Dialog Global Reporter 1997-2003/Mar 10
File 442:AMA  Journals 1982-2003/Jun B2
File 444:New England Journal of Med. 1985-2003/Mar W2
Set     Items   Description
S1      18796   CONSTIPATION OR CONSTIPATED OR BOWEL()MOVEMENT? ?
S2         61   (PULL OR SUSPENDED)()(BAR OR BARS)
S3     107553   "A"(2W)FRAME? ?
S4         18   DOUBLE()MAST? ?
S5         79   S1 AND S2:S4
S6         67   RD (unique items)
S7    2122844   PULL??? OR HANG??? OR SUSPEN????
S8          9   S1(S)S2:S4
S9          7   RD (unique items)
S10         7   Sort S9/ALL/PD,D
S11        15   S1(5N)S7 NOT S8
S12        13   RD (unique items)
S13        13   Sort S12/ALL/PD,D
```

10/3,K/7 (Item 7 from file: 442)
DIALOG(R)File 442:AMA Journals
(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.
00087236
COPYRIGHT American Medical Association 1992
Constipation in the Daily Lives of Frail Elderly People (ARTICLE)
WOLFSEN, CONNIE R.; BARKER, JUDITH C.; MITTENESS, LINDA S.
Archives of Family Medicine
Aug, 1993; ORIGINAL CONTRIBUTION: p853
LINE COUNT: 00425
... area, serving over two thirds of allelderly home health-care clients in the city. Using **a** sample stratification **frame** of gender by presence/absence of UI, respondentswere randomly selected from all new admissions older...
... identify current health conditions, but the study design did not focus any further attention on **constipation** . These self-reports of **constipation** were not clinically evaluated. Extended discussion of **constipation** by respondents was entirely spontaneous, emerging from open-ended questions in the portion of the...
... dealing with health problems. Because of the striking frequency and intensity of the commentary about **constipation** , these data were analyzed further. The entire data set was reviewed to identify all respondents with **constipation** as a health problem. Respondents were coded as being **constipated** if they discussed having **constipation** at any point during the interview or if they reported regular use of laxatives. The data...

13/8/9 (Item 9 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.
00098594
COPYRIGHT American Medical Association 1996
Critical Analysis of the Operative Treatment of Hirschsprung's Disease (
1996;
LINE COUNT: 00497

13/8/10 (Item 10 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.
00091703
COPYRIGHT American Medical Association 1994
Limited Surgery for Lower-Segment Hirschsprung's Disease (ARTICLE)
1994;
LINE COUNT: 00555

13/8/13 (Item 13 from file: 442)
DIALOG(R)File 442:(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.
00039524
Copyright (C) 1986 American Medical Association
Ileoanal Reservoir for Ulcerative Colitis and Familial Polyposis (PAPERS READ BEFORE THE 66TH ANNUAL MEETING OF THE NEW ENGLAND SURGICAL SOCIETY, DIXVILLE NOTCH, NH, OCT 11-13, 1985)
1986;
LINE COUNT: 00335 WORD COUNT: 04623

13/3,K/1 (Item 1 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)
(c) 2003 The Gale Group. All rts. reserv.
02101248 SUPPLIER NUMBER: 90188672 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Perianal care 101. (Continent Diversion Network (CDN)).(Brief Article)

Rechel, Howard
Ostomy Quarterly, 39, 4, 24(1)
Summer, 2002
DOCUMENT TYPE: Brief Article PUBLICATION FORMAT: Magazine/Journal; Refereed ISSN: 0030-6517 LANGUAGE: English RECORD TYPE: Fulltext
TARGET AUDIENCE: Professional
WORD COUNT: 923 LINE COUNT: 00071
... is important to keep the perianal area as dry as possible. The increased number of **bowel movements** of a **pull** -through patient introduces moisture more frequently than the typical person would experience...

```
File 155:MEDLINE(R) 1966-2003/Mar W1
File   5:Biosis Previews(R) 1969-2003/Mar W1
File  73:EMBASE 1974-2003/Mar W1
File  34:SciSearch(R) Cited Ref Sci 1990-2003/Mar W1
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
File 144:Pascal 1973-2003/Mar W1
File   6:NTIS 1964-2003/Mar W2
File   8:Ei Compendex(R) 1970-2003/Mar W1
File  99:Wilson Appl. Sci & Tech Abs 1983-2003/Jan
File  65:Inside Conferences 1993-2003/Mar W1
File  94:JICST-EPlus 1985-2003/Mar W2
File  35:Dissertation Abs Online 1861-2003/Feb
Set     Items   Description
S1      43676   CONSTIPATION OR CONSTIPATED OR BOWEL()MOVEMENT? ?
S2         17   (PULL OR SUSPENDED)()(BAR OR BARS)
S3     375135   HANDICAP? OR DISABILIT? OR DISABL? OR PARAPLEG?
S4     309004   FRAME OR FRAMED
S5     284120   PULL??? OR HANG??? OR SUSPEND???
S6     219834   BAR OR BARS
S7          0   S3(S)S2
S8        794   S3(S)S4
S9        668   S3(S)S5
S10       352   S3(S)S6
S11         0   S8 AND S9 AND S10
S12         0   S11 NOT S7
S13    418061   (S1 OR S3)
S14         0   S13(S)S2
S15       810   S13(S)S4
S16      1022   S13(S)S5
S17       365   S13(S)S6
S18         0   S15 AND S16 AND S17
S19        14   S15 AND S16
S20        11   S15 AND S17
S21        10   S16 AND S17
S22        35   S19:S21
S23        35   S22
S24        21   RD (unique items)
```

24/6/6 (Item 6 from file: 155)
04004791 82283215 PMID: 7115048
Reducing back displacement in the powered reclining wheelchair.
Sep 1982

24/6/7 (Item 1 from file: 73)
03777074 EMBASE No: 1988226510
Joint moments and work in pull-ups
1988

24/6/14 (Item 1 from file: 94)
05095214 JICST ACCESSION NUMBER: 02A0133684 FILE SEGMENT: JICST-E
A case of dressing apraxia after cerebral infarctions. Analysis of errors and mechanism of dressing apraxia., 2001

24/6/15 (Item 2 from file: 94)
04696607 JICST ACCESSION NUMBER: 00A0814526 FILE SEGMENT: JICST-E
Finite Element Modeling of Link Mechanisms. Part 1, Application to Hyper-Redundant Manipulators., 2000

24/6/16 (Item 3 from file: 94)
04680997 JICST ACCESSION NUMBER: 00A0807659 FILE SEGMENT: JICST-E
The influence of the motion of powered ceiling hoists on the subjective sense of safety., 2000

24/6/17 (Item 4 from file: 94)
01695506 JICST ACCESSION NUMBER: 93A0007338 FILE SEGMENT: JICST-E
Structural Analysis for Wheelchair Taking Body-Weight Shift into Account., 1992

24/6/18 (Item 5 from file: 94)
01633265 JICST ACCESSION NUMBER: 92A0705511 FILE SEGMENT: JICST-E
On the Mechanical Evaluation for the Frame Structure of Wheelchair., 1992

24/6/19 (Item 1 from file: 35)
01851612 ORDER NO: AADAA-I3026016
Analysis of whole-body vibration during manual wheelchair propulsion: A comparison of seat cushions and back supports
Year: 2001

24/7/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09500166 97414484 PMID: 9269177
Prevention of deformity during limb lengthening.
Simpson A H; Gardner T N; Evans M; Herling G; Kenwright J
Nuffield Department of Orthopaedic Surgery, Nuffield Orthopaedic Centre, Oxford, United Kingdom.
Clinical orthopaedics and related research (UNITED STATES) Aug 1997, (341) p218-23, ISSN 0009-921X Journal Code: 0075674
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Deformity occurs frequently at the site of distraction during leg lengthening and can add to **disability** . The elastic and nonelastic

displacements have been measured in a model that simulates leg lengthening in the laboratory. Measurements have been made for different fixator systems. The angulation in the vertical plane that occurs during leg lengthening is minimized if the distance between the bone and the fixator **bar** is kept as small as possible, if three screws are inserted in the proximal and distal bone fragments, and if the peak loads on the fixator are reduced by adjusting the rhythm of distraction. However, even if these precautions are taken, the results show that some fixators designed for leg lengthening will fail and lead to deformity at the osteotomy site. This may occur under the repeated cycles of high loads associated with the rises in soft tissue tension that are known to occur in certain groups of patients. This study suggests that deformity can be prevented by the proper selection of a suitable **frame** and the adjustment of its configuration to meet the loading requirements.

Record Date Created: 19970911

24/7/3 (Item 3 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

07914095 94051525 PMID: 8233768

Automatic suspension device for gait training.

Kawamura J; Ide T; Hayashi S; Ono H; Honda T

Department of Physical Medicine and Rehabilitation, Osaka Rosai Hospital, Japan.

Prosthetics and orthotics international (DENMARK) Aug 1993, 17 (2) p120-5, ISSN 0309-3646 Journal Code: 7707720

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

The automatic suspension device (REHABOT) suspends the patient's body in a standing position allowing the patient to walk around the circular handrail without forward propulsion. Reduction of body weight is accurately maintained automatically while safely supporting the patient. The device was used for 23 patients with orthopaedic disorders or central nervous system disorders who were chosen because of their initial difficulties with gait training in parallel **bars** . Its advantages are that (1) it may be used for patients with open wounds or cardiac problems, or patients using prostheses or orthoses, (2) preparation and walking practice are simpler both for patients and staff than the therapeutic pool and walking trolley, (3) running costs are lower than the therapeutic pool. Its drawbacks are that the initial cost is relatively high, only one patient can be trained at a time, and the effect of warm water is missing. The automatic suspension device will become one of the new and fundamental pieces of equipment for gait training, especially for hospitals where there are many elderly patients and also severely and multiple **disabled** persons.

Record Date Created: 19931209

24/7/4 (Item 4 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

07817548 93349236 PMID: 8347073

Autotraction versus passive traction: an open controlled study in lumbar disc herniation.

Tesio L; Merlo A

Servizio di Riabilitazione, Istituto Scientifico Ospedale San Raffaele,

Milano, Italy.
Archives of physical medicine and rehabilitation (UNITED STATES) Aug 1993, 74 (8) p871-6, ISSN 0003-9993 Journal Code: 2985158R
Comment in Arch Phys Med Rehabil. 1994 Feb;75(2) 234-5; Comment in PMID 8311684
Document type: Clinical Trial; Journal Article; Randomized Controlled Trial
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Autotraction (AT) is a treatment for low-back pain syndrome of benign etiology that uses a specially designed traction table divided into two movable sections. While lying on the table, the pelvis secured, the patient controls the traction forces by grasping and **pulling** the **bars** at the head of the table. There are controls for the therapist to apply, through movable sections of the table, rotation and bending forces to help restore mobility to the lumbar spine without inducing pain. The present study is based upon a randomized treatment trial comparing conventional passive traction (PT) to AT. The following outcome indicators were used: (1) subjective response concerning overall improvement, (2) pain intensity (visual analog scale, 0-100), (3) qualitative pain severity (McGill Pain Questionnaire, short-form, 0-45), and (4) pain related **disability** (Oswestry Low Back Pain **Disability** Score, 0-100). The favorable response to AT was 75% (30 of the 40 patients) versus the 22% (6 of 27 patients) to PT ($p < 0.001$). After 3 months, 19 of the 30 responders to AT (63%) reported continued improvement. In these patients, pain ratings remained stable and the **disability** scores decreased to 0 to 23% of the pretreatment value (median and mean respectively, $p < 0.001$).

Record Date Created: 19930907

24/7/8 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

00912041 EMBASE No: 1978040247
A standing device for paraplegics
Gaddy J.
Phys. Educ. Dept., Univ. New Mexico, Albuquerque, N.M. 87106 United States
Archives of Physical Medicine and Rehabilitation (ARCH. PHYS. MED. REHABIL.) 1977, 58/2 (86)
CODEN: APMHA
DOCUMENT TYPE: Journal
LANGUAGE: ENGLISH

A new design in standing aids that enables **paraplegics** to work in an erect position has been developed. The prototype model was constructed three years ago for a **paraplegic** lecturer who wanted to speak from a standing position. The device is convenient and easy to use and does not require any outside assistance. To get into the device the patient simply wheels up to the **frame** , attaches a self locking **pulley** system to the posterior retraining belt, anchors her feet into the stirrups, grasps the handles and lifts herself to a standing position. Once upright, she leans over the device and with her right hand **pulls** a rope which lifts and locks the posterior retaining belt into place. To a patient with a spinal lesion at the T5, T6 level, standing without using orthotic leg braces would seem improbable. However, with this device, the patient moves from her wheelchair to a locked standing position in less than two minutes.

24/7/9 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05538875 E.I. No: EIP00045141196
Title: Upper limb motion assist robot using wire driven control system
Author: Takahashi, Yoshihiko; Kobayashi, Takeshi
Corporate Source: Kanagawa Inst of Technology, Kanagawa, Jpn
Conference Title: 1999 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS'99): Human and Environment Friendly Robots whith High Intelligence and Emotional Quotients'
Conference Location: Kyongju, South Korea Conference Date: 19991017-19991021
Sponsor: IEEE Industrial Electronics Society; IEEE Robotics and Automation Society; Robotics Society of Japan; Society of Instrument and Control Engineers; et al.
E.I. Conference No.: 56660
Source: IEEE International Conference on Intelligent Robots and Systems v 3 1999. IEEE, Piscataway, NJ, USA. p 1598-1603
Publication Year: 1999
CODEN: 85RBAH
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical); X; (Experimental)
Journal Announcement: 0006W1
Abstract: In this paper, an upper limb motion assisting robot for wheelchair bound, **disabled** individuals is proposed. The robot is mounted on the wheelchair **frame** and through user actuation, provides three dimensional limb movement assistance. The wrist is **suspended** in a wire trapeze, which is servomotor driven through a vibration reduction mechanism, providing a compact, light weight, and low cost movement assistance system. The design concept, mechanical characteristics, control system, and experimental results are discussed. (Author abstract) 11 Refs.

24/7/10 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

03727305 E.I. No: EIP93101107290
Title: Development and standardization of a clinical evaluation of standing function: the functional standing test
Author: Triolo, Ronald J.; Reilley, Beverly W.B.; Freedman, William; Betz, Randal R.
Source: IEEE Transactions on Rehabilitation Engineering v 1 n 1 Mar 1993. p 18-25
Publication Year: 1993
CODEN: 001198 ISSN: 1063-6528
Language: English
Document Type: JA; (Journal Article) Treatment: X; (Experimental)
Journal Announcement: 9312W2
Abstract: A tool to quantify standing function and measure the effectiveness of different assistive devices for **disabled** individuals was developed and normalized on able-bodied adolescents. The assessment was based upon the ability to free the upper extremities from support and balancing tasks in order to manipulate objects in the environment while in the upright posture. The Jebsen Test of Hand Function was adapted to the

standing position and extended to include vertical reaching and crossing midline in order to tax the postural system. A subset of the Jebsen tasks representative of activities typically performed while standing was included in the evaluation to determine the sensitivity of the test to various postures. Time and completion of eighteen tasks requiring fine coordination, pushing, **pulling** , reaching horizontally, vertically, and diagonally were recorded along with total elapsed standing time. Data from 69 able-bodied individuals between the ages of 12 and 17 were analyzed statistically and normal standards were established. Application of the test in standing was found to be significantly different than published norms for sitting. Although there were no differences with respect to age, a significant interaction between sex and standing performance was observed. Two adolescents with complete spinal cord injuries (SCI) were also tested while standing in braces or with functional neuromuscular stimulation (FNS). One volunteer was able to perform most tasks in the same time **frame** as his able-bodied counterparts. Both subjects demonstrated a tendency for improved standing function with FNS, but overall results were mixed. The assessment is being repeated on other children to determine reliability and to compare standing ability with various assistive devices in the pediatric spinal cord injured population. (Author abstract) 44 Refs.

24/7/11 (Item 3 from file: 8)

00648028 E.I. Monthly No: EI7708059327 E.I. Yearly No: EI77060398

Title: BIOMECHANICAL DESIGN OF A WALKING APPLIANCE FOR A PARAPLEGIC ADULT.

Author: Henshaw, J. T.
Corporate Source: Univ of Salford, Lancashire, Engl

Source: Journal of Medical Engineering & Technology v 1 n 3 May 1977 p 141-145
Publication Year: 1977
CODEN: JMTEDN ISSN: 0309-1902
Language: ENGLISH
Journal Announcement: 7708

Abstract: One of the major requirements of the medical consultant treating **paraplegic** patients is to have them upright for at least a few hours a day associated, if possible with some physical exercise. This paper deals with the construction and operation of an appliance which makes this possible. The appliance itself consists basically of a stiff lightweight **frame** mounted on swivelling feet supported on double row turntable bearings. Parallel motion of the feet is achieved during straight walking and a controlled swivelling action of the feet (to facilitate turning) is provided by the spring loaded telescopic **bar** connecting the two footplates. The footplates themselves, which are of adequate size to ensure fore and aft stability, are constructed of honeycomb sandwich material and have soles of cork on which a dihedral angle of 4 DEGREE is machined to permit sufficient sideways roll to allow each foot to clear the ground to promote ambulation. The basic structure consists of side struts each with two articulations and two or more posterior stiffening bands to provide lateral rigidity. A high-tensile steel tubular " A " **frame** up to knee level provides further lateral bracing and helps to give additional rigidity to the foot assembly mounting. To resist lateral loading, therefore, the structure consists of several portal frames with additional bracing and has proved to be adequately stiff and strong for the loads which are imposed upon it during ambulation. 12 refs.

24/7/13 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

1906109 H.W. WILSON RECORD NUMBER: BAST99016470
RIT rope drag
Donahue, Art;
Fire Engineering v. 152 no2 (Feb. 1999) p. 14
DOCUMENT TYPE: Feature Article ISSN: 0015-2587
ABSTRACT: Advice on using standard firefighter equipment to facilitate the dragging of **disabled** personnel to safety is given. The proposed method involves hooking the standard utility rope onto the top back of the self-contained breathing apparatus **frame** with the victim face down. This method gave good control of the victim, good force distribution, and an in-line **pull** .

```
File  95:TEME-Technology & Management 1989-2003/Feb W4
File  98:General Sci Abs/Full-Text 1984-2003/Jan
File   9:Business & Industry(R) Jul/1994-2003/Mar 07
File  16:Gale Group PROMT(R) 1990-2003/Mar 07
File 160:Gale Group PROMT(R) 1972-1989
File 148:Gale Group Trade & Industry DB 1976-2003/Mar 06
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Mar 06
File 149:TGG Health&Wellness DB(SM) 1976-2003/Feb W3
File 636:Gale Group Newsletter DB(TM) 1987-2003/Mar 06
File 441:ESPICOM Pharm&Med DEVICE NEWS 2003/Mar W1
File 442:AMA  Journals 1982-2003/Jun B2
File 444:New England Journal of Med. 1985-2003/Mar W2
File  20:Dialog Global Reporter 1997-2003/Mar 10
Set     Items   Description
S1      18796   CONSTIPATION OR CONSTIPATED OR BOWEL()MOVEMENT? ?
S2         61   (PULL OR SUSPENDED)()(BAR OR BARS)
S3     489971   HANDICAP? OR DISABILIT? OR DISABL? OR PARAPLEG?
S4     516109   FRAME OR FRAMED
S5    1925910   PULL??? OR HANG??? OR SUSPEND???
S6     940065   BAR OR BARS
S7          1   S3(S)S2
S8     507270   S1 OR S3
S9          1   S8(S)S2 [not relevant]
S10      1401   S8(S)S4
S11      5196   S8(S)S5
S12      3652   S8(S)S6
S13        10   S10 AND S11 AND S12
S14         0   S7 NOT S9
S15        10   S13 NOT S9
S16         9   RD (unique items)
S17         9   Sort S16/ALL/PD,D
```

17/3,K/8 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06205247 SUPPLIER NUMBER: 13615038 (USE FORMAT 7 OR 9 FOR FULL TEXT)
ADA products and services. (Americans with Disabilities Act) (Buyers Guide)
Buildings, v86, n12, p28(3)
Dec, 1992
DOCUMENT TYPE: Buyers Guide ISSN: 0007-3725 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1475 LINE COUNT: 00126
... Systems, Inc.

Directory of washroom equipment, that meets or exceeds requirements of the Americans with **Disabilities** Act (ADA), features towel and toilet tissue dispensers, waste receptacles, ashtrays, grab **bars** , hand dryers, and more. Washroom equipment directory by Bobrick Washroom Equipment, Inc.

Door hardware, the...
...brochure by Sloan Valve Co.

Meet legislated requirements with this handbook, which defines Americans with **Disabilities** Act (ADA) specifications for doors and frames. Useful details on minimum door width, floor clearance requirements, and lock locations are included. Pamphlet, offered free by steel door and **frame** manufacturing company, includes telephone numbers for further information. ADA handbook by Steelcraft|R
, a Masco Industries Co.

Entrance products meet compliance with the Americans with **Disabilities** Act (ADA). Doors provide a minimum 32-inch opening regardless of standard hinging. All **pull** hardware is placed no more than 48 inches above the floor and is designed to...

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200314C
File 347:JAPIO Oct 1976-2002/Oct(Updated 030204)
File 371:French Patents 1961-2002/BOPI 200209
File 344:Chinese Patents Abs Aug 1985-2003/Jan

Set	Items	Description
S1	270	A-FRAME? ?
S2	331109	BAR OR BARS
S3	858821	FRAME OR FRAMES
S4	910241	LIFT??? OR PULL??? OR HANG??? OR SUSPEND??? OR SUSPENSION
S5	27830	HANDICAP? OR DISABILIT? OR DISABLED OR CONSTIPAT?
S6	200482	BATHROOM? OR BATH??? OR TOILET? ? OR COMMODE? ? OR WATER()-CLOSET? ? OR LATRINE? ? OR LAVATOR??? OR PRIVY OR PRIVIES OR -LOO OR LOOS
S7	2117	S1:S3(S)S4 AND S5:S6
S8	0	S1(S)S4 AND S5:S6
S9	0	S1 AND S4 AND S5:S6
S10	388	S2(10N)S4 AND S5:S6
S11	70	S3 AND S10
S12	77	S2(S)S3(S)S4(S)S5:S6
S13	16029	CROSS()BAR? ? OR CROSSBAR? ?
S14	56	S13 AND S4 AND S5:S6
S15	21	S13(S)S4(S)S5:S6
S16	0	S1 AND S5:S6

15/7/3 (Item 3 from file: 350) see attached picture

DIALOG(R)File 350:Derwent WPIX

009880301 **Image available**
WPI Acc No: 1994-160215/199420

Motorised saddle to help disabled people to climb in and out of bath - Has crane to lift saddle and running on horizontal rails pivoted at one end to bathroom wall

Patent Assignee: SCHRAMMEL M (SCHR-I)
Inventor: SCHRAMMEL M
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 4337527	A1	19940511	DE 4337527	A	19931104	199420	B
DE 4337527	C2	20001005	DE 4337527	A	19931104	200050	

Priority Applications (No Type Date): DE 92U15173 U 19921105
Patent Details:

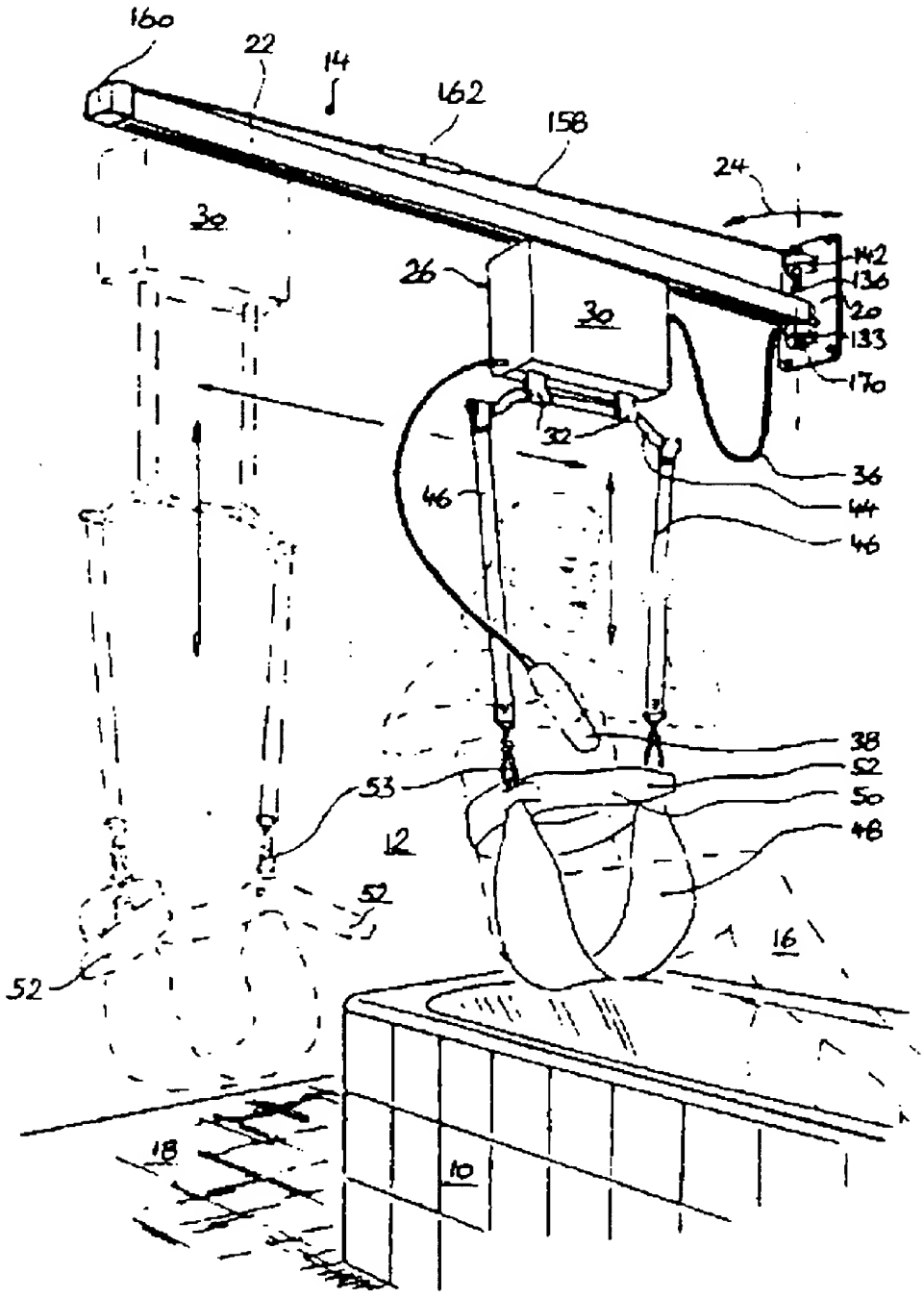
Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4337527	A1		12	A61H-037/00	
DE 4337527	C2			A61H-037/00	

Abstract (Basic): DE 4337527 A

A saddle to help **disabled** people climb into a **bath** (10) or bed from a wheelchair and back out again has a carrying sling (48), **lifted** by a crane (26) with end-stops to set the maximum and minimum heights. The crane slides along horizontal rails (22), fastened to a wall of the room by a pivot. The crane is supported on the rails by rollers within their hollow section and is driven along by a friction wheel pressing on the outside of a rail. The friction wheel is coupled to a motor. The sling is held by a strap (46) at either end to a **crossbar** (44), attached to the crane by two brackets (32).

ADVANTAGE Does not clutter the bathroom/bedroom because the crane is mounted high up and the rails can be swung flat against the wall.

Dwg.1/7



Title Terms: MOTOR; SADDLE; HELP; DISABLE; PEOPLE; CLIMB; BATH; CRANE; LIFT ; SADDLE; RUN; HORIZONTAL; RAIL; PIVOT; ONE; END; BATHROOM; WALL
Derwent Class: P28; P33; Q38; S05; X27
International Patent Class (Main): A61H-037/00
International Patent Class (Additional): A47K-003/12; B66C-023/02
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): S05-G02A; X27-X

Derwent Class: P28; P33; Q38; S05; X27
International Patent Class (Main): A61H-037/00
International Patent Class (Additional): A47K-003/12; B66C-023/02

15/7/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv. See attached picture
008143585 **Image available**
WPI Acc No: 1990-030586/199005
Bath aid with hydraulically movable seat - has telescopically extending hydraulic cylinders with cold water attachment
Patent Assignee: FORWICK R (FORW-I)
Inventor: FORWICK R
Number of Countries: 013 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 3824477	A	19900125	DE 3824477	A	19880719	199005	B
WO 9000891	A	19900208	WO 89DE474	A	19890718	199009	
EP 380621	A	19900808	EP 89908150	A	19890718	199032	
EP 380621	B1	19940119	EP 89908150	A	19890718	199403	
			WO 89DE474	A	19890718		
DE 58906772	G	19940303	DE 506772	A	19890718	199410	
			EP 89908150	A	19890718		
			WO 89DE474	A	19890718		

Priority Applications (No Type Date): DE 3824477 A 19880719
Cited Patents: NoSR.Pub; DE 2112495; GB 2120933; GB 2123285; No-SR.Pub; US 3286970; US 3958282
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3824477	A		7		
WO 9000891	A	G			
Designated States (National): JP US					
Designated States (Regional): AT BE CH DE FR GB IT LU NL SE					
EP 380621	A				
Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE					
EP 380621	B1	G	7	A61G-007/10	Based on patent WO 9000891
Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE					
DE 58906772	G			A61G-007/10	Based on patent EP 380621
					Based on patent WO 9000891

Abstract (Basic): DE 3824477 A

The bath aid comprises a hydraulically movable seat set on a basic frame (1). This frame comprises a base framework (2) and two upwardly projecting telescopically sliding hydraulic cylinders (3,4;6,7) fitted at the upper ends with the upper edge of the seat frame (15) and backrest (20). The hydraulic cylinders (3,4) are connected to the cold water tap of the bath tub by a reversible multi-way valve (30).

The hydraulic cylinders can be inclined according to the incline of the head end of the bath. The base plate (2) and inclined hydraulic cylinders can be locked onto the bathtub wall by suction pads (5,9).

USE/ADVANTAGE - Help for getting in and out of bath. The design is extremely compact especially when the hydraulic cylinders are lowered.

Abstract (Equivalent): EP 380621 B

A **bathing** aid with a hydraulically lowerable and raisable set (15), comprising a framework (1) insertable in a **bathtub** with a U-shaped base frame (2) corresponding to the width of the **bathtub** base and two hydraulic cylinders (3,4; 6,7), which project upwards from the base frame, can be telescopically collapsed and at whose upper ends

15/12/4
DIALOG(R)File 350:Derwent WPIX

008143585 **Image available**
WPI Acc No: 1990-030586/199005
XRPX Acc No: N90-023519

Bath aid with hydraulically movable seat - has telescopically extending hydraulic cylinders with cold water attachment

Patent Assignee: FORWICK R (FORW-I)
Inventor: FORWICK R
Number of Countries: 013 Number of Patents: 005
Basic Patent:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 3824477	A	19900125	DE 3824477	A	19880719	199005	B

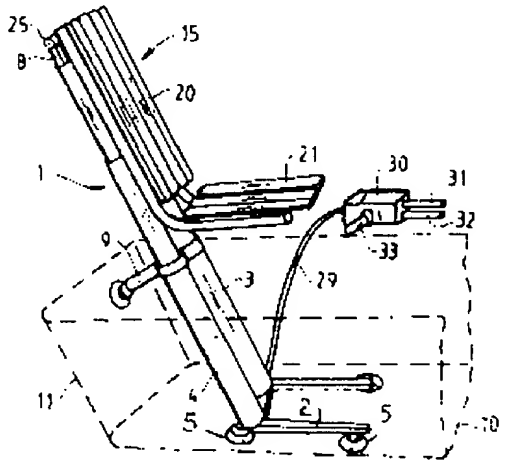
Priority Applications (No Type Date): DE 3824477 A 19880719
Cited Patents: NoSR.Pub; DE 2112495; GB 2120933; GB 2123285; No-SR.Pub; US 3286970; US 3958282
Designated States (National): JP; US
Designated States (Regional): AT; BE; CH; DE; FR; GB; IT; LU; NL; SE; LI
Abstract (Basic): DE 3824477 A

The bath aid comprises a hydraulically movable seat set on a basic frame (1). This frame comprises a base framework (2) and two upwardly projecting telescopically sliding hydraulic cylinders (3,4;6,7) fitted at the upper ends with the upper edge of the seat frame (15) and backrest (20). The hydraulic cylinders (3,4) are connected to the cold water tap of the bath tub by a reversible multi-way valve (30).

The hydraulic cylinders can be inclined according to the incline of the head end of the bath. The base plate (2) and inclined hydraulic cylinders can be locked onto the bathtub wall by suction pads (5,9).

USE/ADVANTAGE - Help for getting in and out of bath. The design is extremely compact especially when the hydraulic cylinders are lowered.

C:\Program Files\Dialog\DialogLink\Graphics\1D.bmp



Title Terms: BATH; AID; HYDRAULIC; MOVE; SEAT; TELESCOPE; EXTEND; HYDRAULIC ; CYLINDER; COLD; WATER; ATTACH
Derwent Class: P28; P33
International Patent Class (Main): A61G-007/10
International Patent Class (Additional): A47K-003/12; A61H-037/00
File Segment: EngPI

the seat (15) is articulately connected via connecting webs (22,23), and in which the hydraulic cylinders (3,4) can be connected via a switchable multiway valve (30) to the cold water fitting of the **bathtub** , characterised in that the hydraulic cylinders (3,4) projecting upwards and backwards at an angle from the rear **crossbar** of the U-shaped base frame (2) comprise a backwardly projecting suction cup (9) which can be supported against the **bathtub** wall (11), the two hydraulic cylinders (7) are connected with one another at the upper end via a traverse (8), and the seat (15) comprising a seat section (21) and a backrest (20) is **suspended** with an inclination of the backrest (20) corresponding to that of the hydraulic cylinders (3,4) via transverse pins (24,25) projecting from the upper end of the side bars (16,17) of the backrest (20) so as to pivot in corresponding grooves on the front faces of the traverse (8) and is supported via a slide roller (27) projecting backwards from the lower end of the backrest (20) against a guide rod (28) extending between the hydraulic cylinders (3,4).

Dwg.1/4

Derwent Class: P28; P33
International Patent Class (Main): A61G-007/10
International Patent Class (Additional): A47K-003/12; A61H-037/00

15/7/8 (Item 8 from file: 350)

004193232
WPI Acc No: 1985-020112/198504

Bath lift for disabled persons - has inflatable pipes filled with pressurised water with automatic shut-off valve

Patent Assignee: SCHMIDT P (SCHM-I)
Inventor: SCHMIDT P
Number of Countries: 012 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 131741	A	19850123	EP 84106561	A	19840608	198504	B
DE 3324294	A	19850124	DE 3324294	A	19830706	198505	
US 4557002	A	19851210	US 84621783	A	19840618	198601	
EP 131741	B	19870812				198732	
DE 3465248	G	19870917				198738	
DE 3324294	C	19880324				198812	

Priority Applications (No Type Date): DE 3324294 A 19830706
Cited Patents: A3...8544; CH 300436; EP 74460; FR 2146098; No-SR.Pub; US 3228659
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 131741	A	G	19		
Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE					
EP 131741	B	G			
Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE					

Abstract (Basic): EP 131741 A

A bath lift (10) consists of a base frame (12) with two guide frames (14,16), a lifting plate (18), and two lifting pipes (38,40) which can be filled with pressurised water. A hand control valve (44) is used to connect the lifting pipes to a supply tube (50), or a discharge duct.

An automatically adjustable lifting limiter consists of a shut-off valve in the supply tube, which is operated via a lever (56) which

slides from the end of the guide frame when the required height is reached. Water under pressure is connected to an inlet valve (46) and the water inflates the lifting pipes causing the lifting plate to rise. The guide frames can slide as the frame rises.

ADVANTAGE - Secure holding of lifting plate in precise position.

1/5

Abstract (Equivalent): EP 131741 B

An elevator for **disabled** persons, comprising a floor frame (12), at least one guiding linkage (14,16) attached to the floor frame, a **lifting** plate (18) supported by said guiding linkage (14,16), a **lifting** apparatus (38;40), which is disposed between said **lifting** plate (18) and the floor frame (12) and adapted to be operated with water under pressure, and a manually operable control valve (44) for filling and draining the **lifting** apparatus (38;40) wherein the guiding linkage (14;16) comprises two juxtaposed, spaced apart pairs (20,22) of tong levers, the tong levers of each pair (20,22) are pivotally interconnected at their centre and one tong lever (20) of one pair (20,22) of tong levers is provided at one end with a fixed swivel bearing, which is connected to the floor frame (12) and at the other end with a slide bearing (26), which is slidable along a rail (24) fastened at the **lifting** plate (18) and wherein the other tong lever (22) of said one pair (20,22) of tong levers is provided at one end with a fixed swivel bearing, which is connected to the **lifting** plate (18) and at the other end with a slide bearing (30), which is slidable along a rail (32) fastened at the floor frame (12), characterised in that a slide piece (62) is slidably mounted in at least one rail (24) of the **lifting** plate (18) in the moving path of the slide bearing (26), that a **cross bar** (56) engages into the moving path of the slide piece (62) and is movable in unison therewith, that the slide piece (62) is arranged adjacent to the end position of the slide bearing (26) corresponding to a predetermined elevated position of the **lifting** plate (18) and is provided to be moved in unison with the slide bearing (26) during the last moving portion thereof, and that the **cross bar** (56) is movable by the slide bearing (26) into an end position in which it operates an operating element (60) of a separate shut off valve (46) inserted into the pressure water conduit leading to the manually operable control va

Abstract (Equivalent): US 4557002 A

The bathtub elevator consists of a floor frame, two tong-like guiding linkages, a lifting plate and two flexible lifting tubes, which are filled with water under pressure. By means of a manually controllable valve, the flexible lifting tubes can be selectively connected to a supply line or to a drain line and can be shut off from both lines.

An adjustable automatic elevation-limiting apparatus comprises a shutoff valve, which is incorporated in the supply line and actuated by a U-shaped member. The U-shaped member is displaced by the displaceable ends of the guiding linkages when the desired maximum elevation, which corresponds to the height of the bathtub, has been reached.

USE - For disabled persons. (7pp)t

Derwent Class: P28; P33

International Patent Class (Additional): A47K-003/12; A61G-007/10;A61H-037/00

15/7/10 (Item 10 from file: 350)

003844399

WPI Acc No: 1983-840649/198350

Device for helping person get in or out of bath - has hydraulic jack with guide attached to pivoted carrier which can be raised and lowered

Patent Assignee: PENNINGTON-RICHARDS (PENN-I)
Inventor: PENNINGTON C M
Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2120933	A	19831214	GB 8314760	A	19830527	198350	B
GB 2120933	B	19850911				198537	
US 4598432	A	19860708	US 84612261	A	19840521	198630	

Priority Applications (No Type Date): GB 8215757 A 19820528; GB 8314760 A 19830527
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2120933	A		11		

Abstract (Basic): GB 2120933 A

The device is for helping a person to get in or out of a bath. It comprises a seat mounted at the lower end of a carrier (10) which is suspended at its upper end (11) from the upper end of the push rod (6) of a hydraulic jack having its cylinder (5) fixed vertically in position adjacent the end of the bath (1).

When the push rod is fully extended the carrier **hangs** from a **cross bar** (7) with wheels (12) mounted at the back of the carrier at its lower end resting against and retained by an anchor plate (13) fixed above the **bath** . When the cylinder is exhausted, the push rod retracts, the seat (9) is lowered into the **bath** , and the wheels run off the plate and down the inside (17) of the **bath** until the seat (9) reaches the bottom.

2/4

Derwent Class: P28
International Patent Class (Additional): A47K-003/12

15/7/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

002300767
WPI Acc No: 1980-A7199C/198004

Lifting apparatus for bathing handicapped person - consists of seat hoisted in and out by crank drive

Patent Assignee: OFFENBACHER KRANKEN (OFFE-N)
Inventor: MEYER W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 2206007	B	19800117				198004	B

Priority Applications (No Type Date): DE 2206007 A 19720209
Abstract (Basic): DE 2206007 B

The apparatus for lifting an incapacitated person over the edge of a bath into the bath (10) consists of a saddle frame fixed to the side of the bath. The lifting mechanism supporting the seat (14) and moving it up and down is manually operated by a threaded spindle with a crank handle.

The threaded spindle is contained inside a vertical pipe (12) outside the **bath** . A **lifting** device (17) supporting a jib arm (16) holding the seat is mounted inside the pipe. The saddle frame has two U shape **cross bars** , outside the **bath** ,a nd joined by a U shaped

bracket (18). Curved pipes (20) run inside the **bath** . Pressure plates (44) fixed to the U shaped tubular arms are held by adjusting screws on **cross bars** .

Derwent Class: P28; P33
International Patent Class (Additional): A47K-003/12; A61G-007/10

15/7/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

001310281
WPI Acc No: 1975-K4202W/197538

Adjustable frame suspending deodorant tablets in water closets - is inverted U with a leg extending in curve to locate tablet

Patent Assignee: ETABS IMBIB (IMBI-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
FR 2253129	A	19750801				197538	B

Priority Applications (No Type Date): FR 7342736 A 19731130
Abstract (Basic): FR 2253129 A

Adjustable wire frame (1) for the **suspension** of deodorant tablets iin **water closets** pans, is an inverted 'U' of which one leg (9) extends basally and curves to locate the tablet (5, 6), with the 'U' conventionally hooking over the edge (2) of the pan (3), and features a 'U' **cross bar** of adjustable length whereby the **suspension** device can be utilized on pan rims of varying width. The bar (7) can be fixed at each incremental length and constitutes a rod (7a) sliding in a tube (7b) on its counterpart.

Fixing is contrived via tenons spaced longitudinally on the rod engaging a mortice cut in the wall of the tube. Junctions between 'U' bar components and legs include internal stiffening fillets, and the assembly is of plastic construction

Derwent Class: P28; Q42
International Patent Class (Additional): A47K-013/30; E03D-011/11

File 348:EUROPEAN PATENTS 1978-2003/Feb W04
File 349:PCT FULLTEXT 1979-2002/UB=20030227,UT=20030220

Set	Items	Description
S1	7774	CROSS()BAR? ? OR CROSSBAR? ?
S2	0	A-FRAME? ?
S3	213537	BAR OR BARS
S4	229326	FRAME OR FRAMES
S5	481327	LIFT??? OR PULL??? OR HANG??? OR SUSPEND??? OR SUSPENSION
S6	34087	HANDICAP? OR DISABILIT? OR DISABLED OR CONSTIPAT?
S7	117881	BATHROOM? OR BATH??? OR TOILET? ? OR COMMODE? ? OR WATER()CLOSET? ? OR LATRINE? ? OR LAVATOR??? OR PRIVY OR PRIVIES OR LOO OR LOOS
S8	397	S1:S4(10N)S5(S)S6:S7
S9	4	S1(10N)S5(10N)S6:S7
S10	17770	S3(10N)S4:S5
S11	250	S6:S7(S)S10
S12	0	S6(S)S7(S)S10
S13	197	S7(S)S10
S14	0	S6(S)S7(S)S10
S15	183	S3(10N)S5(S)S6:S7
S16	6718	S3(5N)S5
S17	0	S16(10N)S7(S)S6
S18	33	S16(10N)S7
S19	32	S18 NOT S9

9/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.
00399103
Portable commode.
Tragbarer Toilettenstuhl.
Fauteuil hygienique mobile.
PATENT ASSIGNEE:
INVACARE CORPORATION, (1210140), 899 Cleveland Street, Elyria, Ohio 44036 , .(US), (applicant designated states: DE;SE)
INVENTOR:
Bly, Robert R., 20297 West Road, Wellington, Ohio 44090, (US)
LEGAL REPRESENTATIVE:
Jones, Colin et al (32411), W.P. THOMPSON & CO. Coopers Building Church Street, Liverpool L1 3AB, (GB)
PATENT (CC, No, Kind, Date): EP 389204 A1 900926 (Basic)
APPLICATION (CC, No, Date): EP 90302885 900316;
PRIORITY (CC, No, Date): US 326229 890320
DESIGNATED STATES: DE; SE
INTERNATIONAL PATENT CLASS: A47K-011/04; A47K-013/12;
ABSTRACT WORD COUNT: 138
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	688
SPEC A	(English)	EPABF1	3073
Total word count - document A			3761
Total word count - document B			0
Total word count - documents A + B			3761

...SPECIFICATION a chair-like configuration that includes an arm support and front and rear parallel horizontal **cross - bar** members. The **commode** further comprises a container, and a means for **hanging** or holding the container. In addition, the **commode** includes a seat that is pivotally received on the rear **cross - bar** member, and rigidly or positively supported by the front **cross - bar** member. The seat has an integrally moulded seat clamp that projects from a rear portion...

9/3,K/4 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.
00545690 **Image available**
BATH LIFT
MOYEN ELEVATEUR POUR BAIGNOIRE
Patent Applicant/Assignee:
SILVER CROWN ASSOCIATES LIMITED,
STEADMAN William David,
Inventor(s):
STEADMAN William David,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200009063 A1 20000224 (WO 0009063)
Application: WO 99GB2637 19990810 (PCT/WO GB9902637)
Priority Application: US 9896449 19980813
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF

BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 5130
Fulltext Availability: Claims
Claim
... T-shape, with the stem (48) of the T engageable against the back of a **bath** (26, 44), and the **crossbar** (50) of the T engageable against the bottom and respective sides of the **bath** (26, 44). It. A **bath lift** according to any of claims 7 to 10, characterised in that the separate member is...

19/6/10 (Item 10 from file: 348)
00387778
Thermoplastic pultrusion.

19/6/23 (Item 4 from file: 349)
00497869 **Image available**
TOILET SEAT LIFTING DEVICE
Publication Year: 1999

19/6/26 (Item 7 from file: 349)
00417742 **Image available**
PATIENT/NURSE CALL SYSTEM
Publication Year: 1998

19/6/27 (Item 8 from file: 349)
00285447
IMPROVED PATIENT/NURSE CALL SYSTEM
Publication Year: 1995

19/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.
01106140
Improved patient/nurse call system
Krankenschwesterrufsystem fur Kranken
Systeme d'appel patient/infirmiere
PATENT ASSIGNEE:
HILL-ROM COMPANY, INC., (1766160), 1069 State Route 46E, Batesville, IN 47006-9166, (US), (Proprietor designated states: all)
INVENTOR:
Novak, Joseph H., 805 Sycamore Lane, Batesville, IN 47006, (US)
Meyers, Julie E., 4320 N. Lincoln Road, Indianapolis, IN 46208, (US)
Geiger, Curt E., 2377 Ardsheal Drive, La Habra Heights, CA 90631, (US)
Ulrich, Daniel J., 6183 Gaines Road, Cincinnati, OH 45247, (US)
Jennings, Robert J., 3704 Merlin Way, Annandale, VA 22003, (US)
Weismiller, Matthew W., 58 White Oak Drive, Batesville, IN 47006, (US)
Palermo, Philip D., 2301/2 West Logan, Celina, Ohio 45822, (US)
LEGAL REPRESENTATIVE:
Schmidt, Steffen J., Dipl.-Ing. (70552), Wuesthoff & Wuesthoff, Patent- und Rechtsanwalte, Schweigerstrasse 2, 81541 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 969431 A1 000105 (Basic)
EP 969431 B1 020417
APPLICATION (CC, No, Date): EP 99118123 940712;
PRIORITY (CC, No, Date): US 90804 930712
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: LT; SI

RELATED PARENT NUMBER(S) - PN (AN):
  EP 708951 (EP 94923929)
INTERNATIONAL PATENT CLASS: G08B-005/22; G08B-025/10
ABSTRACT WORD COUNT: 234
NOTE: Figure number on first page: NONE
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count
      CLAIMS A (English) 200001 766
      CLAIMS B (English) 200216 873
      CLAIMS B (German) 200216 862
      CLAIMS B (French) 200216 1038
      SPEC A (English) 200001 9611
      SPEC B (English) 200216 9608
Total word count - document A 10379
Total word count - document B 12381
Total word count - documents A + B 22760
...SPECIFICATION includes a housing 134, a pull bar 135 and a slide 136 connected to the **pull bar** 135. A patient's **pulling** of the **pull bar** 135 will initiate a **BATHROOM** call, or a SHOWER CALL. The station 74 may also include a pushbutton 137 for...

19/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.
00948617
Bathtub partition
Wannenabtrennung
Separation pour baignoires
PATENT ASSIGNEE:
  PALME Sanitar-Vertriebsgesellschaft m.b.H., (2785440), Jechtenham 16, 4775 Taufkirchen/Pram, (AT), (Proprietor designated states: all)
INVENTOR:
  Prader, Walter, Jechtenham 16, 4775 Taufkirchen/Pram, (AT)
LEGAL REPRESENTATIVE:
  Koster, Hajo, Dr. et al (52955), Jaeger und Koster Postfach 1620, 82121 Gauting, (DE)
PATENT (CC, No, Kind, Date): EP 860135 A2 980826 (Basic)
                              EP 860135 A3 981230
                              EP 860135 B1 021218
APPLICATION (CC, No, Date): EP 98102635 980216;
PRIORITY (CC, No, Date): DE 29703332 970225
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; IT; LI; LU; NL; SE
EXTENDED DESIGNATED STATES: SI
INTERNATIONAL PATENT CLASS: A47K-003/30
TRANSLATED ABSTRACT WORD COUNT: 94
ABSTRACT WORD COUNT: 120
NOTE: Figure number on first page: 1
LANGUAGE (Publication,Procedural,Application): German; German; German
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count
      CLAIMS A (German) 199835 325
      CLAIMS B (English) 200251 328
      CLAIMS B (German) 200251 282
      CLAIMS B (French) 200251 392
      SPEC A (German) 199835 2198
      SPEC B (German) 200251 2325

Total word count - document A 2524
Total word count - document B 3327
Total word count - documents A + B 5851
...ABSTRACT Translated)
Partition wall used in **bath**
The wall (2) is freely **suspended** to **hang** from a **bar** (3) which is held in a bracket (4) at the opposite end to the wall...

19/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.
00936172
PATIENT/NURSE COMMUNICATION METHOD
KRANKENSCHWESTERRUFMETHODE FUR KRANKE
METHODE D'APPEL PATIENT/INFIRMIERE
PATENT ASSIGNEE:
HILL-ROM, INC., (1044353), 1069 State Route 46 East, Batesville, Indiana 47006-9167, (US), (Proprietor designated states: all)
INVENTOR:
GALLANT, Dennis, 10208 Cartha Lane, Harrison, OH 45030, (US)
HARNDEN, James, C., 21270 Clearfield Court, Brookfield, WI 53045, (US)
MYERS, Julie, E., 4320 North Lincoln Road, Indianapolis, IN 46208, (US)
ULRICH, Daniel, J., 6183 Gaines Road, Cincinnati, OH 45247, (US)
LEGAL REPRESENTATIVE:
Findlay, Alice Rosemary (69451), Lloyd Wise, Tregear & Co., Commonwealth House, 1-19 New Oxford Street, London WC1A 1LW, (GB)
PATENT (CC, No, Kind, Date): EP 922273 A1 990616 (Basic)
EP 922273 B1 011121
WO 9808203 980226
APPLICATION (CC, No, Date): EP 97938508 970821; WO 97US14733 970821
PRIORITY (CC, No, Date): US 701245 960823
DESIGNATED STATES: DE; FR; GB
RELATED DIVISIONAL NUMBER(S) - PN (AN):
EP 1018715 (EP 2000201124)
EP 1020827 (EP 2000201127)
EP 1017032 (EP 2000201126)
INTERNATIONAL PATENT CLASS: G08B-003/10
NOTE: No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200147	826
CLAIMS B	(German)	200147	778
CLAIMS B	(French)	200147	999
SPEC B	(English)	200147	12745

Total word count - document A 0
Total word count - document B 15348
Total word count - documents A + B 15348
...SPECIFICATION includes a housing 134, a pull bar 135 and a slide 136 connected to the **pull bar** 135. A patient's **pulling** of the **pull bar** 135 will initiate a **BATHROOM** call, or a SHOWER call. If it desired that the call be a "latched", that...

19/3,K/12 (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.
00351765

Device concerning a whirlpool bathtub.
Vorrichtung zur Verbesserung einer Whirlpoolwanne.
Dispositif de modification d'une baignoire pour bains a bulles d'air.

PATENT ASSIGNEE:
Schussler, Gunter, (472052), Goethestrasse 23, D-63322 Rodermark, (DE),
(applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;NL;SE)
INVENTOR:
Schussler, Gunter, Goethestrasse 23, D-63322 Rodermark, (DE)

PATENT (CC, No, Kind, Date): EP 354596 A2 900214 (Basic)
EP 354596 A3 900926
EP 354596 B1 940112
APPLICATION (CC, No, Date): EP 89118274 870711;
PRIORITY (CC, No, Date): DE 3630806 860910; DE 3708391 870314
DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; NL; SE
RELATED PARENT NUMBER(S) - PN (AN):
EP 290476 (EP 879044956)
INTERNATIONAL PATENT CLASS: A61H-033/02;
TRANSLATED ABSTRACT WORD COUNT: 61
ABSTRACT WORD COUNT: 48
LANGUAGE (Publication,Procedural,Application): German; German; German
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	574
CLAIMS B	(German)	EPBBF1	439
CLAIMS B	(French)	EPBBF1	578
SPEC B	(German)	EPBBF1	1290
Total word count - document A			0
Total word count - document B			2881
Total word count - documents A + B			2881

...CLAIMS Claims 1 to 5 being characterized in that the electromagnetic closure is activated by a **lifting bar** linkage (84)...

19/3,K/24 (Item 5 from file: 349)

See attached picture

00483775 **Image available**

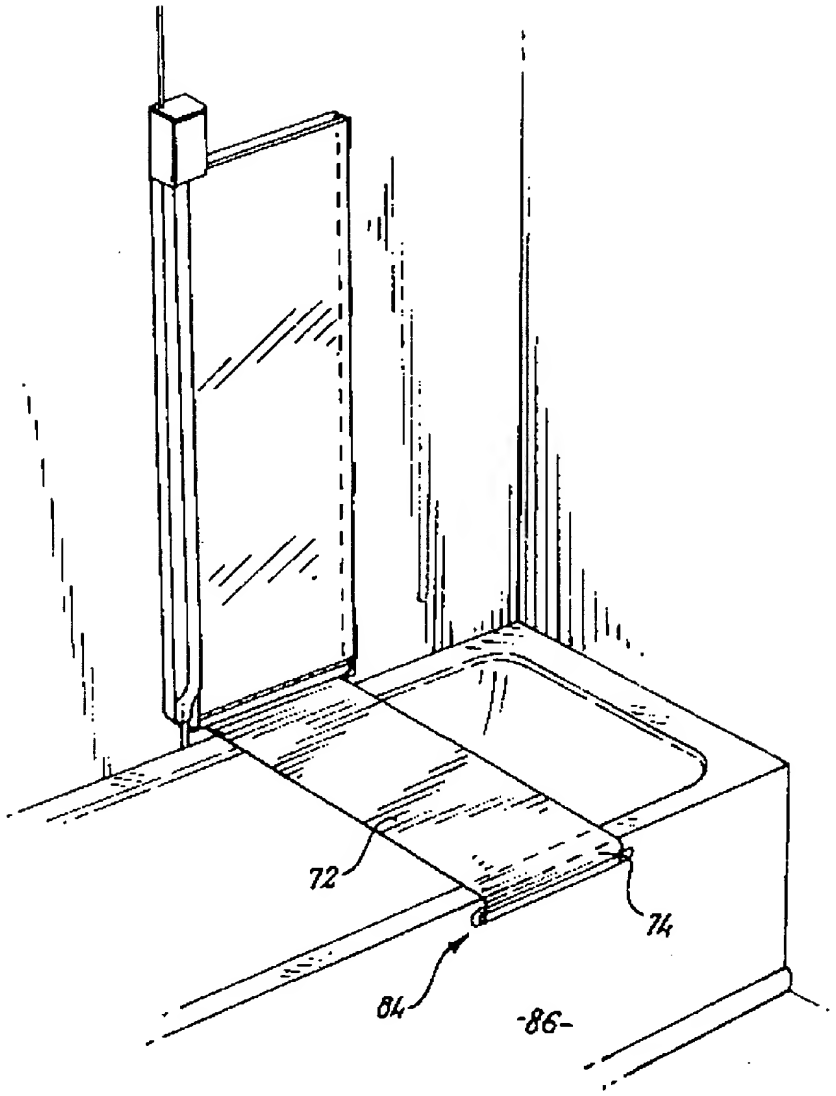
BATH LIFT
ELEVATEUR POUR BAIGNOIRE

Patent Applicant/Assignee:
STEADMAN William David,
Inventor(s):
STEADMAN William David,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9915127 A1 19990401
Application: WO 98GB2865 19980922 (PCT/WO GB9802865)
Priority Application: US 9760080 19970925
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG
US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA
GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 4347

Claim

... in that the fixing member (76) also comprises a profiled member (78) mounted on the **bar** (76). 3 5. A **bath lift** according to any of


72
74
84
-86-

claims 32 to 34, characterised in that the profiled member (78...

19/3,K/32 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.
00119781

DRYING DEVICE FOR SHOWER SPACE
DISPOSITIF DE SECHAGE POUR COIN-DOUCHE

Patent Applicant/Assignee:
BERGMARK Nils Randolf,
Inventor(s):
BERGMARK Nils Randolf,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8403030 A1 19840816
Application: WO 84SE37 19840207 (PCT/WO SE8400037)
Priority Application: SE 83715 19830210
Designated States: AT AU BE BR CH DE DK FI FR GB JP LU NL NO SE SU US
Publication Language: English
Fulltext Word Count: 2303
Detailed Description
... bathtub is used for showering, the screen is turned parallel to the edge of the **bathtub** with its flat side without **hanger bars** facing inwards towards the **bathtub**. This pivot position is also used when laundry is to be hung on the **hanger bars** 8, which OMPI at that time face out towards the **bathroom**. when the articles to be dried have been hung on the hanger bars 8, the...

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200316
File 347:JAPIO Oct 1976-2002/Nov(Updated 030306)
File 371:French Patents 1961-2002/BOPI 200209
File 344:Chinese Patents Abs Aug 1985-2003/Jan

Set	Items	Description
S1	1958	CONSTIPATION OR CONSTIPATED OR BOWEL()MOVEMENT? ?
S2	353	(PULL OR SUSPENDED)()(BAR OR BARS)
S3	468636	"A"(2W)FRAME? ?
S4	7	DOUBLE()MAST? ?
S5	5	S1 AND S2:S4
S6	684779	PULL??? OR HANG??? OR SUSPEN????
S7	5	S1 AND S2:S4
S8	3	S1(5N)S6
S9	3	S8 NOT S7 **[not relevant]**

7/26,TI/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

001236204
WPI Acc No: 1975-B9987W/197508
Colonic and rectal rinser - has clysis nozzle with reciprocating and spray nozzle with oscillating drive

7/7/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014435166 **Image available**
WPI Acc No: 2002-255869/200230
Foldable commode and shower wheelchair for, e.g. elderly persons, has wheels and frame comprising front, rear defining opening for commode, side portions, hinge, back support, and armrests
Patent Assignee: JENSEN R P (JENS-I); MALASSIGNE P (MALA-I); NELSON A L (NELS-I)
Inventor: JENSEN R P; MALASSIGNE P; NELSON A L
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020024196	A1	20020228	US 99238472	A	19990128	200230 B
			US 2001766661	A	20010123	

Priority Applications (No Type Date): US 2001766661 A 20010123; US 99238472 A 19990128
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020024196	A1		22	B62B-003/00	CIP of application US 99238472

Abstract (Basic): US 20020024196 A1

NOVELTY - A foldable commode and shower wheelchair comprises **a frame** comprising a front, a rear, side portions, a hinge, a back support, and armrests; and wheels supporting the frame. The lower part of the rear defines an opening for receiving a commode, a seat, footrests, and a heel support assembly.

DETAILED DESCRIPTION - A foldable commode and shower wheelchair comprises **a frame** and wheels supporting the frame. The frame (20, 22) comprises a front portion; a rear portion; a pair of opposite side portions; a hinge that joins the side portions and allows movement of the side portions between open and folded positions; a back support (28) carried by the upper part of the rear portion; and a pair of opposite armrests pivotally supported at opposite side portions of the

frame. The lower part of the rear portion of the frame defines an opening for receiving a commode; a seat supported by the frame; footrests supported at the front portion of the frame; and a heel support assembly mounted at the front portion of the frame for movement between a depending stored position and a raised position to support the heel of a user.

USE - For elderly persons or individuals with spinal cord injuries who shower and/or have a **bowel movement** while in the wheelchair.

ADVANTAGE - The inventive wheelchair has a heel support assembly that supports a leg of a patient in an elevated position so that it is much easier for a user to reach and clean a leg or foot. It is designed to be rolled over a toilet or to be rolled into a shower room. The wheelchair has push rims that are rubber coated to prevent slipperiness in wet environments. It has **a** foldable **frame** and a pivotable seat that allow the wheelchair to be stored in a small volume. A bag with casters is provided for carrying the folded wheelchair for easy transport.

DESCRIPTION OF DRAWING(S) - The figure shows a top perspective view of the wheelchair.

Frame (20, 22)
Back support (28)
Handring (48)
pp; 22 DwgNo 1/15

Derwent Class: A25; A84; Q22
International Patent Class (Main): B62B-003/00
International Patent Class (Additional): B62B-005/00

7/7/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

012089505 **Image available**
WPI Acc No: 1998-506416/199843

Platform assembly for moving patient in oscillatory motion - shifts subject to and fro in headwards-footwards direction to increase amplitude and frequency of blood flow and intravascular shear stress to enhance vascular function and structure in patients where normal exercise is not possible

Patent Assignee: NIMS INC (NIMS-N)
Inventor: INMAN D M; MEICHNER W J; SACKNER M A
Number of Countries: 021 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9839996	A1	19980917	WO 98US5291	A	19980313	199843	B
EP 1006845	A1	20000614	EP 98911766	A	19980313	200033	
			WO 98US5291	A	19980313		
US 6155976	A	20001205	US 9740457	P	19970314	200066	
			US 9764541	P	19971105		
			US 9841578	A	19980313		
			US 99317571	A	19990524		
JP 2002515804	W	20020528	JP 98539906	A	19980313	200238	
			WO 98US5291	A	19980313		

Priority Applications (No Type Date): US 9841578 A 19980313; US 9740457 P 19970314; US 9764541 P 19971105; US 99317571 A 19990524
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9839996	A1	E	47	A47D-009/02	

Designated States (National): IL JP
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
EP 1006845 A1 E A47D-009/02 Based on patent WO 9839996
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
US 6155976 A A61B-005/00 Provisional application US 9740457
Provisional application US 9764541
CIP of application US 9841578
JP 2002515804 W 58 A61H-001/00 Based on patent WO 9839996
Abstract (Basic): WO 9839996 A

The platform assembly includes **a frame** and a displacement module with a stationary part and a movable part movable relative to the stationary part. The stationary part is fixedly connected to the frame. A platform receives the subject and is connected to the movable part for selected movement of the platform in an oscillatory motion with operative movement of the movable part.

A controller connected to the displacement module selectively induces a controlled movement of the movable part to effect a predetermined frequency, amplitude and acceleration of oscillatory motion of the platform for providing one of ventilatory assistance to the subject, ventilatory support of the subject, cardiopulmonary/cardiac support of the subject including cardiopulmonary resuscitation and non-invasive cardiopulmonary bypass, and increased endothelial stress for releasing beneficial mediators in a vascular system of the subject. The frequency, amplitude and acceleration of oscillatory motion of the platform are selected for inducing sleep in the subject.

ADVANTAGE - Prevents or minimizes apneas. Rapidly shakes subject in headwards and footwards directions to wake subject if subject is experiencing adverse cardiorespiratory event. Relieves effects of restless legs syndrome and painful legs and moving toes syndrome. Eliminates problem of lack of exercise leading to **constipation** .

Dwg.4/15

Derwent Class: P26; P31; P33; P34; S05; T01
International Patent Class (Main): A47D-009/02; A61B-005/00; A61H-001/00
International Patent Class (Additional): A47C-017/04; A61G-007/00; A61H-023/02; A61M-021/02

7/7/3 (Item 3 from file: 350)

007346456
WPI Acc No: 1987-343462/198749

Therapeutic bed for chronic patients e.g. paraplegics - has patient support platform rotatably and pivotally secured within main bed frame through pivot mountings

Patent Assignee: ALLIANCE INVESTMENTS LTD (ALLI-N); ETHOS MED RES (ETHO-N)
Inventor: CONNOLLY P J
Number of Countries: 014 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 248537	A	19871209	EP 87304026	A	19870505	198749	B
US 4868937	A	19890926	US 87130371	A	19871208	198948	
EP 248537	B	19911023				199143	
DE 3773999	G	19911128				199149	

Priority Applications (No Type Date): IE 861170 A 19860502; US 87130371 A 19871208
Cited Patents: A3...8831; DE 1566447; DE 2445764; No-SR.Pub; US 3848278
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 248537	A	E	30		

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

Patent No	Kind
EP 248537	B

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

Abstract (Basic): EP 248537 A

The main bed frame (3) is supported on **a** base **frames** (5) by two spaced end uprights formed by a pair of hydraulic rams (6). Each ram is individually height adjustable. One of the pairs of rams is pivotally connected to the base frame by a crankshaft (7) which, in turn, is pivotally connected to a pivot (8) to the base frame. The other pair of rams is pivotally connected to the base frame by a shafts.

An electric motor drives a belt to rotate or oscillate the patient support platform (2). The arc of oscillation of the latter is controlled by a control unit which includes a potentiometer. Weighing means for the support platform is provided by a load cell mounted between each pivot mounting (4) and the main bed frame.

ADVANTAGE - Combats **constipation** , muscular wasting, bone decalcification and bed sores while reducing demands on nurse or orderly.

1/5

Abstract (Equivalent): EP 248537 B

A therapeutic bed (1,60) of the type comprising: a patient support platform (2) on pivot mountings (4) in **a** main bed **frame** (3); **a** base **frame** (5); a pair of spaced-apart end uprights (6) on the base frame (5) and supporting the main bed frame (3) therebetween; and a motor (10) drive for oscillating the patient support platform (2) relative to the main bed frame (3) characterised in that the upstanding end uprights (6) are individually height adjustable and adjustable and at least one end upright (6) is pivotally connected to a crankshaft (7) which in turn is pivotally connected to the adjacent base frame (5), the two crankshaft (7) pivot axes being offset. (19pp)

Abstract (Equivalent): US 4868937 A

The therapeutic bed comprises a patient support platform rotatably and pivotally secured within **a** main bed **frame** (3) through pivot mountings (4).a

Derwent Class: P33; S05
International Patent Class (Additional): A61G-007/00

File 348:EUROPEAN PATENTS 1978-2003/Mar W01
File 349:PCT FULLTEXT 1979-2002/UB=20030306,UT=20030227

Set	Items	Description
S1	2418	CONSTIPATION OR CONSTIPATED OR BOWEL()MOVEMENT? ?
S2	169	(PULL OR SUSPENDED)()(BAR OR BARS)
S3	220366	FRAME OR FRAMED
S4	340805	PULL??? OR HANG??? OR SUSPEND???
S5	0	S1(5N)S2
S6	**1**	**S1(5N)S4**
S7	3	S1(S)S3
S8	**3**	**S7 NOT S6**
S9	214229	BAR OR BARS
S10	0	S1(S)S2(3N)S9
S11	0	S1(S)S2(S)S9
S12	46848	DISABL? OR HANDICAP? OR PARAPLEG?
S13	15	S1(S)S12
S14	1	S13(S)S2:S4 **[not relevant]**
S15	**14**	**S13 NOT (S6 OR S7 OR S14)**

6/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.
00320293
An automatic caring system for bed-ridden patients.
Ein automatisches System zur Pflege bettlageriger Patienten.
Un systeme automatique d'assistante pour patiants alites.
PATENT ASSIGNEE:
Yamamoto, Tuneo, (1053140), 20-ban, Sirinashi Tameto-cho, Toyokawa-shi Aichi, (JP), (applicant designated states: DE;FR;GB)
INVENTOR:
Yamamoto, Tuneo, 20-ban, Sirinashi Tameto-cho, Toyokawa-shi Aichi, (JP)
LEGAL REPRESENTATIVE:
Senior, Alan Murray et al (35711), J.A. KEMP & CO 14 South Square Gray's Inn, London WC1R 5EU, (GB)
PATENT (CC, No, Kind, Date): EP 363541 A1 900418 (Basic)
EP 363541 B1 930310
APPLICATION (CC, No, Date): EP 88312399 881229;
PRIORITY (CC, No, Date): JP 88258045 881013
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: A61G-007/00; A61G-007/10;
ABSTRACT WORD COUNT: 241
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1907
CLAIMS B	(German)	EPBBF1	1463
CLAIMS B	(French)	EPBBF1	1589
SPEC B	(English)	EPBBF1	9007
Total word count - document A			0
Total word count - document B			13966
Total word count - documents A + B			13966

...CLAIMS bowl so as to reveal said opening area when said lid is turned upward for **opening** at the time of **bowel** movement. first magnets; said carrier of said closure means having a wheel mounting a pair...

8/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.
00550347
DEVICE FOR STOMA PATIENTS
DISPOSITIF "CHECK CLEAN"
Patent Applicant/Assignee:
PARK Soo-Hak,
Inventor(s):
PARK Soo-Hak,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200013720 A2 20000316 (WO 0013720)
Application: WO 99KR521 19990904 (PCT/WO KR9900521)
Priority Application: KR 9816766 U 19980904 (KR U)
Designated States: CN JP US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 1334
Fulltext Availability:
Detailed Description
Detailed Description

... which connects connection frame or stopper frame.
R is connection frame.
A. can attach connection **frame** by covering basic **frame** . The line of
B. can be used by cutting it in accordance with the size...
...urination instrument for urination patient as well as for stomer patients who have diarrhea or **constipation** . It can be also used as stopper- **frame** safekeeping for those patients who have difficulty in movement...

15/6/1 (Item 1 from file: 348)
00802927
A THERAPEUTIC BED

15/6/4 (Item 4 from file: 348)
00247862
A therapeutic bed.

15/6/11 (Item 7 from file: 349)
00421427
METHOD OF TREATING URINARY INCONTINENCE
Publication Year: 1998

15/6/12 (Item 8 from file: 349)
00258176
INTEGRALLY MOLDED STACKABLE COMMODE CHAIR
Publication Year: 1994

15/6/14 (Item 10 from file: 349)
00143958 **Image available**
COLON HYDROTHERAPY AND EVACUATOR SYSTEM
Publication Year: 1988

15/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00295837
Method of treating patients suffering from chronic pain or chronic cough.
Verfahren zur Behandlung von Patienten die an chronischen Schmerzen oder chronischem Husten leiden.
Procede pour traiter des patients souffrant de douleurs chroniques ou de toux chronique.
PATENT ASSIGNEE:
THE ROCKEFELLER UNIVERSITY, (315600), 1230 York Avenue, New York, NY 10021, (US), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)
INVENTOR:
Kreek, Mary Jeanne, 1161 York Avenue (Apt. 12L), New York New York 10021, (US)
Fishman, Jack, 876 Park Avenue (Apt. 5N), New York New York 10021, (US)
LEGAL REPRESENTATIVE:
Jorio, Paolo et al (44841), STUDIO TORTA Societa Semplice Via Viotti 9, I-10121 Torino, (IT)
PATENT (CC, No, Kind, Date): EP 352361 A1 900131 (Basic)
APPLICATION (CC, No, Date): EP 88112351 880729;
PRIORITY (CC, No, Date): EP 88112351 880729
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS: A61K-031/485; A61K-031/485; A61K-031/22

ABSTRACT WORD COUNT: 80
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	569
SPEC A	(English)	EPABF1	3196
Total word count - document A			3765
Total word count - document B			0
Total word count - documents A + B			3765

...SPECIFICATION old female with a 13 year history of post-auto crash secondary spinal cord lesions, **paraplegia** , chronic pain and **constipation** . Her optimal dosage regimen was found to be 10 mg of methadone, 5 mg of...

15/3,K/5 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00986860 **Image available**
MASSAGE APPARATUS FOR BOWELS
APPAREIL DE MASSAGE POUR LES INTESTINS
Patent Applicant/Assignee:
YANG Moon-Seok, 595 Sangchang-ri, Andeok-myeon,, Namjeju-gun, Jeju-do 699-821, KR, KR (Residence), KR (Nationality)
Legal Representative:
YOO Young-dae (agent), 205 Kicox Venture Center, 188-5 Guro-dong, Guro-gu, Seoul 152-050, KR,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200315688 A1 20030227 (WO 0315688)
Application: WO 2002KR1467 20020802 (PCT/WO KR0201467)
Priority Application: KR 200123820 U 20010806; KR 200137807 U 20011207 (KR U; KR U)
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: Korean
Fulltext Word Count: 5325
Fulltext Availability:
Detailed Description
Detailed Description
... upper portion of the base member. Thus it is difficult for children, elderly people and **handicapped** people to keep a proper seat position. Furthermore, since the conventional toilet seat cannot provide any beneficial function for **constipation** sufferers, they can fall victim to hemorrhoid due to a long time seating posture.

DETAILED...present invention to provide a massage apparatus for bowels which 1 allows elderly people and **handicapped** people to keep their seated state by disposing the massage apparatus at toilet seats or chairs of various types, and which performs beneficial actions for **constipation** sufferers by performing bowel massaging by vibration or rotation of the massage apparatus...

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200316
File 344:Chinese Patents Abs Aug 1985-2003/Jan
File 347:JAPIO Oct 1976-2002/Nov(Updated 030306)
File 371:French Patents 1961-2002/BOPI 200209

Set	Items	Description
S1	1958	CONSTIPATION OR CONSTIPATED OR BOWEL()MOVEMENT? ?
S2	353	(PULL OR SUSPENDED)()(BAR OR BARS)
S3	40266	HANDICAP? OR DISABILIT? OR DISABL? OR PARAPLEG?
S4	832303	FRAME OR FRAMED
S5	524937	PULL??? OR HANG??? OR SUSPEND???
S6	331550	BAR OR BARS
S7	**2**	**S3(S)S2**
S8	1544	S3(S)S4
S9	962	S3(S)S5
S10	454	S3(S)S6
S11	4	S8 AND S9 AND S10
S12	**4**	**S11 NOT S7**

7/7/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012227771 **Image available**
WPI Acc No: 1999-033877/199903
Portable musculature exercise tool for domestic use - has protrusions equally spaced along length of tail held by closed door such that one protrusion prevents sliding of tail between top edge of door and lintel of door frame, to support device body
Patent Assignee: ELBOGEN S D (ELBO-I)
Inventor: ELBOGEN S D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5839994	A	19981124	US 9737567	A	19970208	199903 B
			US 97823521	A	19970324	

Priority Applications (No Type Date): US 9737567 P 19970208; US 97823521 A 19970324
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5839994	A		5	A63B-001/100	Provisional application US 9737567

Abstract (Basic): US 5839994 A

The tool consists of an U-shaped grab-bar (2) to which a hanging tail (9) of a harness (8) is attached. Several protrusions (14) spaced equally apart, are provided along the length of the hanging tail.

A yoke (10) having a set of strap sections (11-13) is attached to the free end of the tail. The tail is positioned over a closed door (16) such that one of the protrusions prevent sliding of tail inbetween door edge and lintel (18) of door frame, for supporting the device body against the door.

ADVANTAGE - Enables easy use by beginners, **handicapped** , aged. Enables attaining parallel bars, **pull bars** , dips, push-ups, chin-up exercise functions in one tool. Saves space and improves utility.

Dwg.1/13

Derwent Class: P36
International Patent Class (Main): A63B-001/100

7/7/2 (Item 1 from file: 344)
DIALOG(R)File 344:Chinese Patents Abs

4033846
UNIVERSAL DESK-CHAIR TYPE RIDING DEVICE
Patent Assignee: ZOU HEMING (CN)
Author (Inventor): ZOU HEMING (CN)
Number of Patents: 001
Patent Family:

CC	Number	Kind	Date	
CN	1063847	A	920826	(Basic)

Application Data:

CC	Number	Kind	Date
*CN	91100719	A	910201

Abstract: The invention relates to a universal tool for riding or carriage as a tricycle, traveling container, cart, etc., with many functions for sitting, sleeping, and uses as a table, chair or sleeping utensil. It has a small table at the front, an adjustable backrest, paddles with brake and steering, push-pull bars, transmission system, etc. It can be

operated with one hand or one foot in sitting, standing and half reclining driving postures by pushing or driving backwards, for two people in seated position. It can be operated with all kinds of human force with higher efficiency and large speed range. It is thus a tool of light structure and convenient control for use by any people, old or young or even disabled ones.

12/26,TI/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014267696
WPI Acc No: 2002-088394/200212
Omnibus for escorting physically handicapped person

12/7/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

010789065 **Image available**
WPI Acc No: 1996-286018/199629
Powered walker having integrated parallel bars **for use by** disabled **person - provides stable and mobile walking** frame **for those who must** pull **on objects adapted to move forward according to user's needs, with speed and movement of walker being controllable by switch**
Patent Assignee: LATHROP J (LATH-I)
Inventor: LATHROP J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5524720	A	19960611	US 94293390	A	19940819	199629	B

Priority Applications (No Type Date): US 94293390 A 19940819
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5524720	A		10	B60K-001/00	

Abstract (Basic): US 5524720 A

The walker device comprises a base frame including an upwardly projecting yoke and at least two upwardly projecting frame members, and a drive assembly including an electric motor, a front drive wheel, and a device for coupling the electric motor to the front drive wheel. An adjustable parallel bar grip assembly is coupled via the base frame yoke to the drive assembly and adapted to pivot the drive assembly to steer the walker device. Two rear wheels are rotatably affixed to the base frame.

A device controls operation of the electric motor. A weight device has apertures formed through it and is removably engaged with the at least two upwardly projecting **frame** members via the apertures for counterbalancing the walker. A platform is affixed to the base **frame** at a terminal point of the at least two upwardly projecting **frame** members. The walker device has a low centre of gravity and thereby provides a parallel **bar** grip against which a **disabled** person may **pull** himself up without tipping the walker device over.

USE/ADVANTAGE - Cost effective powered walker and parallel **bars** to assist **disabled** individuals, e.g. those with debilitating illnesses such as cerebral palsy, to move about in upright position and to walk. Enables walker to be customised to fit user's level of debilitation.

Dwg.1/8

Derwent Class: Q13; S05; X21
International Patent Class (Main): B60K-001/00

12/7/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

001297517
WPI Acc No: 1975-J1434W/197532
Disabled **vehicle hoisting and towing dolly - has offset** pulley **system for operating slings**
Patent Assignee: SHIPLEY M T (SHIP-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 3896949	A	19750729				197532	B

Priority Applications (No Type Date): US 73421803 A 19731205
Abstract (Basic): US 3896949 A

The vehicle hoisting and towing dolly has a hoist supporting means which includes an off-set **pulley** system. The **disabled** vehicle lifting system comprises a horizontal sling **bar** connected to a pair of vehicle engaging hoisting slings, the entire sling unit being raised from a central connector with an off-set **pulley** arrangement. The hoist and **disabled** vehicle support is mounted on a triangular **frame** having a pair of larger wheels at the rear of the 1frame and a guide wheel disposed in front of the **frame** . The device is attached and towed behind another vehicle with a standard trailer hitch and is utilized for hoisting and towing a **disabled** vehicle.

Derwent Class: Q15
International Patent Class (Additional): B60P-003/12